

**ABSTRACT**

The invention relates to the use of idebenone for the preparation of a topically-applied composition which is intended to inhibit melanogenesis, to reduce cutaneous coloration or to brighten same and/or produce cutaneous depigmentation. More specifically, the invention relates to a topically-applied composition comprising a cosmetic, pharmaceutical and/or dermatologically-effective amount of idebenone, derivatives thereof or mixtures of same, in which there is an effective amount of idebenone or the derivative thereof such as to produce cutaneous depigmentation.